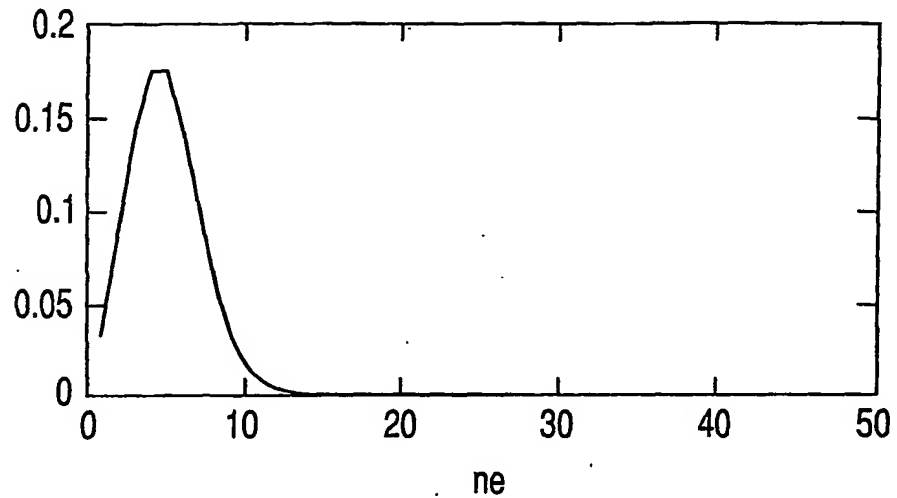


1/5

$ns := 500$        $BER := 0.01$        $NE := ns \cdot BER$   
 $ne := 1, 2.. 50$

dpois (ne, NE)

Fig. 1



$ne := 15$

$D := .000085$

$NE_{low} := 0.5qchisq(D, 2ne)$

$NE_{low} = 4.56$

$NE_{high} := 0.5qchisq(1 - D, 2ne)$

$NE_{high} = 34.085$

$ni := 1, 2.. 50$

dpois (ni,  $NE_{low}$ )

-----  
dpois (ni,  $NE_{high}$ )

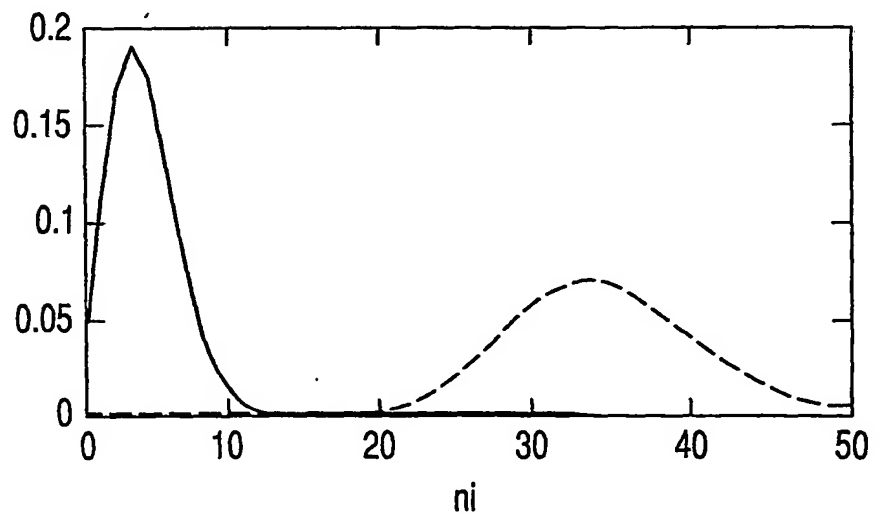


Fig. 2

$$D := 0.000085 \quad ne := 1, 2, \dots, 1000 \quad 2/5$$

$$bernornpass(ne, D) := \frac{2ne}{qchisq(1 - D, 2 \cdot ne)}$$

$$bernornfail(ne, D) := \frac{2ne}{qchisq(D, 2ne)}$$

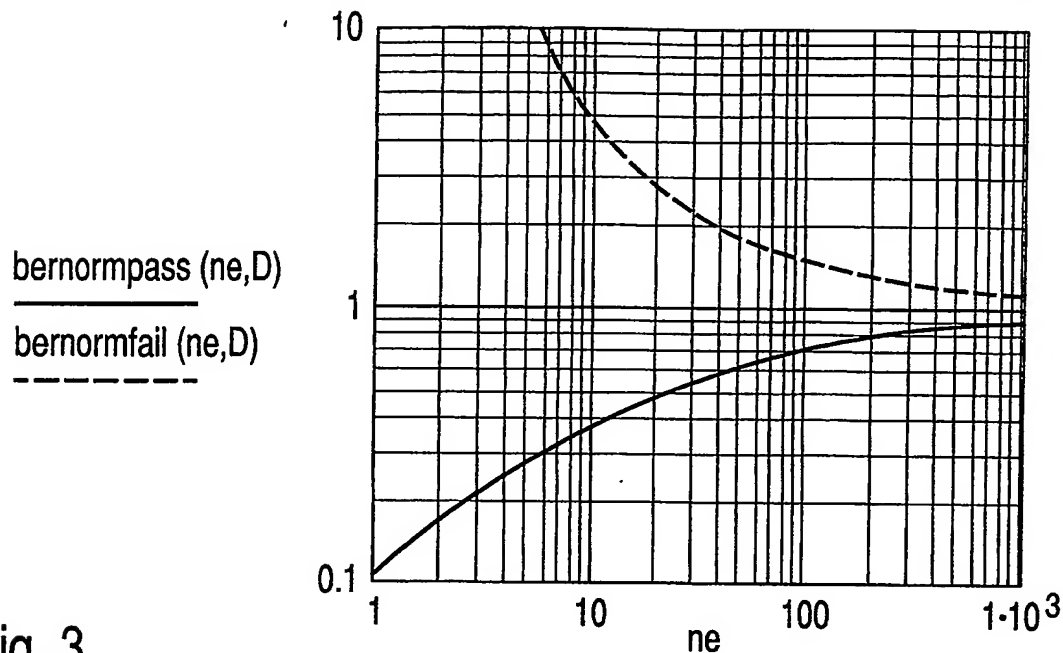


Fig. 3

$$M := 1.5 \quad D := 0.000085 \quad ne := 1, 2, \dots, 1000$$

$$berlimbad_{pass}(ne, D) := 2 \cdot \frac{ne}{qchisq(1 - D, 2 \cdot ne)} \cdot M$$

$$berlim_{fail}(ne, D) := 2 \cdot \frac{ne}{qchisq(D, 2 \cdot ne)}$$

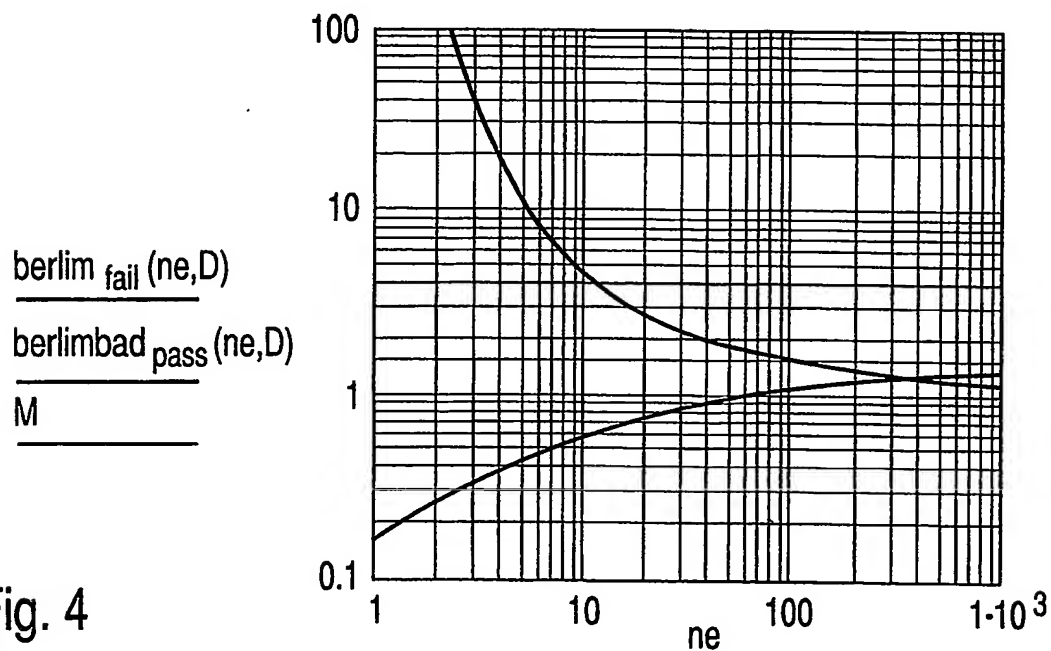


Fig. 4

3/5

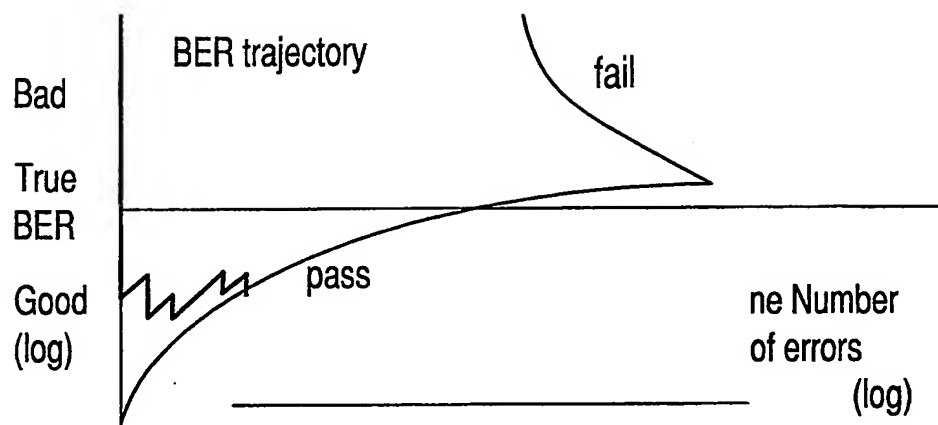


Fig. 5

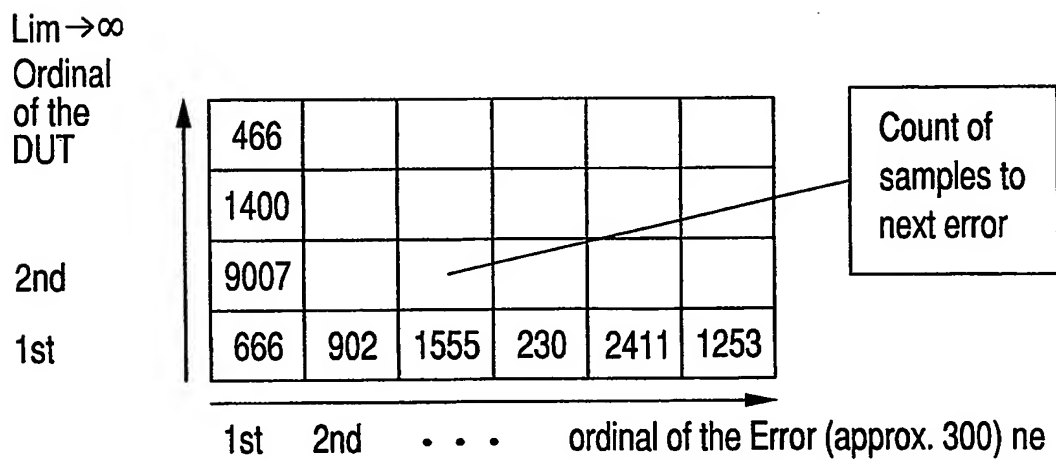


Fig. 6

4/5

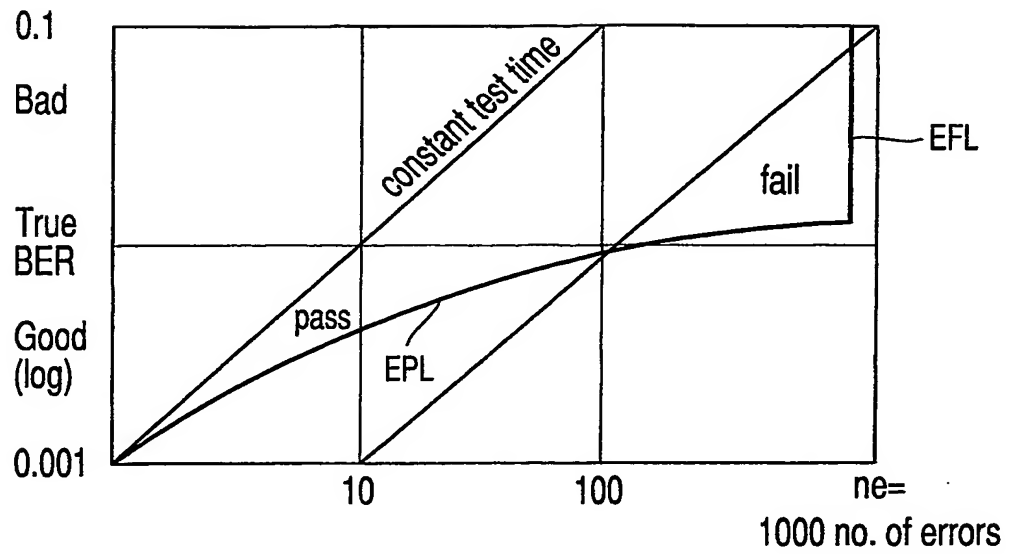


Fig. 7

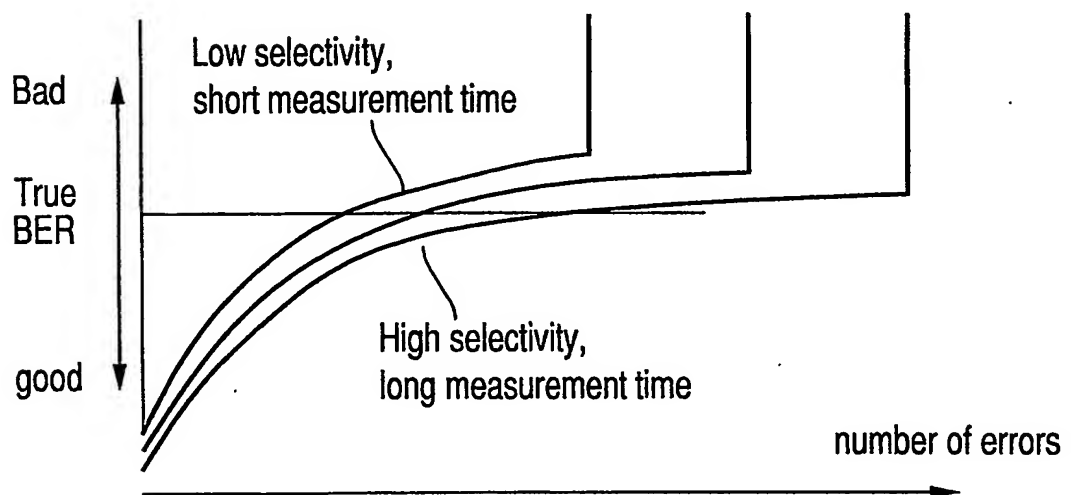


Fig. 8

5/5

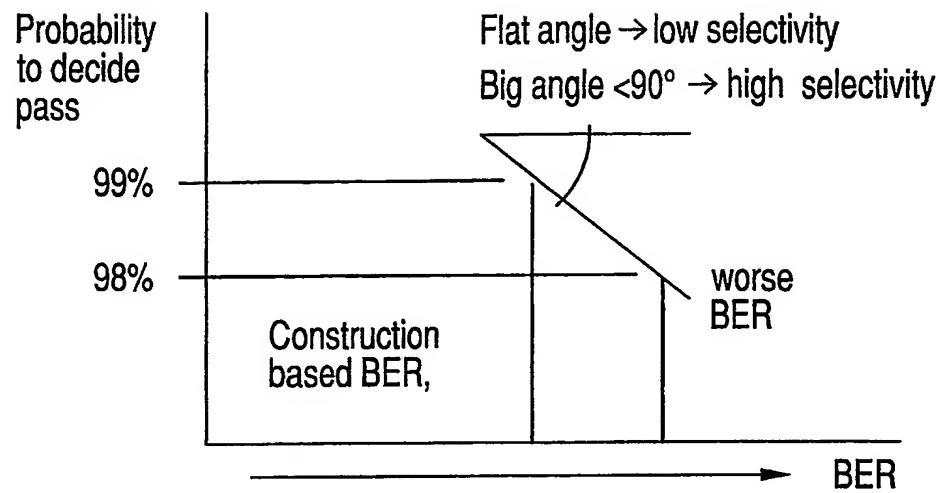


Fig. 9

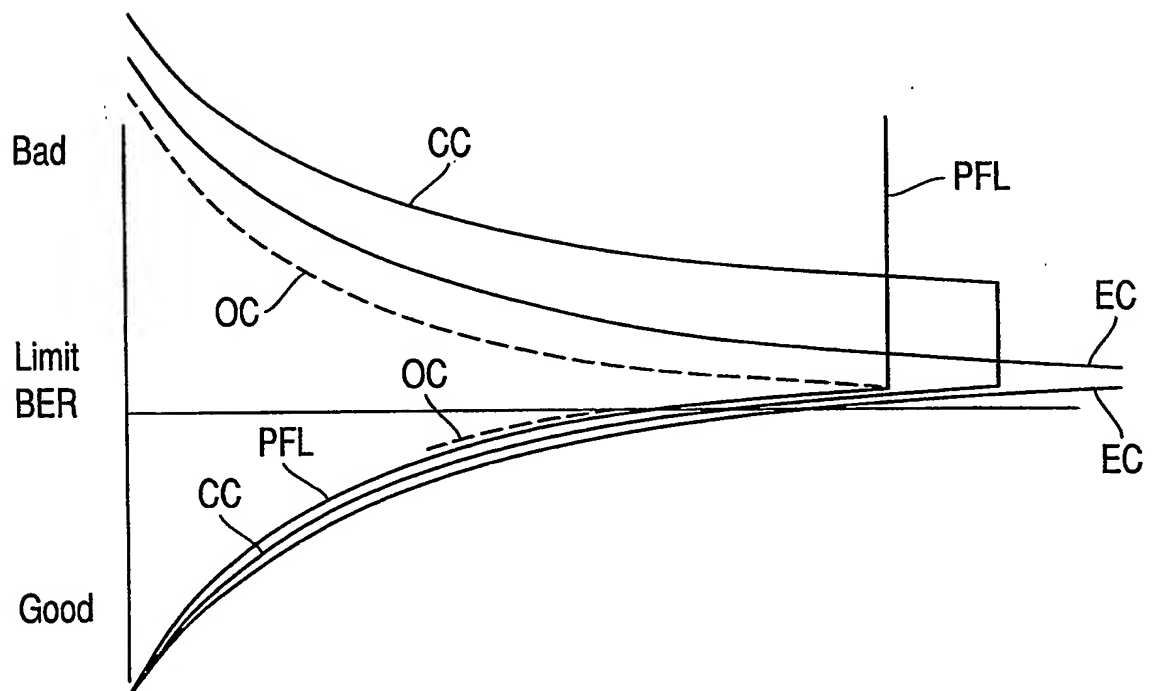


Fig. 10